

What is claimed is:

1. A method for producing Factor VII comprising (a) cultivation of a mammalian cell line comprising a DNA sequence encoding a yeast endoprotease or a derivative thereof and a DNA sequence encoding FVII in a suitable culture medium; and (b) isolation of Factor VII from the medium.
2. The method of claim 1, wherein the yeast endoprotease is derived from a *Saccharomyces* strain.
- 10 3. The method of claim 2, wherein the yeast endoprotease is a Kex2 like endoprotease.
4. The method of claim 3 wherein the yeast Kex2 like endoprotease is C-terminally truncated and has no transmembrane region.
- 15 5. The method of claim 4, wherein the yeast Kex2 like endoprotease has ER retention signal added to the C-terminal end.
- 20 6. The method of claim 2 wherein the yeast endoprotease is the Kex2 endoprotease from *Saccharomyces cerevisiae*.
7. The method of claim 1, wherein the culture medium is a serum free medium.
- 25 8. The method of claim 1 wherein the mammalian cell line is a CHO cell line.
9. The method of claim 1 wherein the mammalian cell line is a BHK cell line.
10. The method of claim 1 wherein the mammalian cell line is a HEK 293 cell line.